

Repository of systematic reviews on interventions in environment, climate change and health (ECH): Pubmed search strategy

This document presents the search strings used for searching PubMed to identify relevant systematic reviews on interventions in ECH. The same search terms were also used for searching the Scopus database. The search was designed to cover the following topics: (i.) study design; (ii.) interventions; (iii.) outcome; and (iv.) ECH topic. Accordingly, the search strings for each topic are included below as well as the complete search strings for each ECH topic and sub-topic.

PubMed Search String development

The search strings from #1, #2, #3 and #5 were combined with each separate ECH topic (#4), as presented below. For every search the following filters were applied: Meta-Analysis, Systematic Review, Humans, English, Exclude preprints, from 2005 – 2023.

1. STUDY DESIGN

("systematic"[sb] OR "Systematic Reviews as Topic"[Mesh] OR "Systematic Review"[pt] OR systematic review[filter] OR meta-analysis[filter] OR "systematic review"[tiab] OR review[pt])

AND

2. INTERVENTIONS

(intervention*[tiab] OR action[ti] OR policy[ti] OR policies[ti] OR control[ti] OR measure*[ti] OR guideline*[ti] OR regulat*[ti] OR standard*[ti] OR "Organizational policy"[Mesh] OR "Public policy"[Mesh] OR strategy*[ti] OR management[ti] OR legislat*[ti] OR "Guideline adherence/standards"[Mesh] OR "Health Policy"[Mesh] OR "Information Dissemination"[Mesh] OR "Safety Management" [Mesh] OR "Program evaluation"[Mesh])

AND

3. OUTCOME

(incidence*[ti] OR benefit*[ti] OR resilien*[ti] OR adaptation[ti] OR mitigation[ti] OR promotion[ti] OR prevalence*[ti] OR risk*[ti] OR exposure*[ti] OR outcome[ti] OR occurrence*[ti] OR epidemiolog*[ti] OR impact*[ti] OR effect*[ti] OR odds[ti] OR "prevent"[ti] OR "Health status"[Mesh] OR "Harm reduction"[Mesh] OR "Outcome assessment, health Care"[Mesh])

AND

4. ECH TOPIC

See below for complete search strings used by ECH topic.

AND

5. FILTERS

((excludepreprints[Filter]) AND (meta-analysis[Filter] OR systematicreview[Filter]) AND (humans[Filter]) AND (english[Filter]) AND (2005:2023[pdat]))

Risk factor/hazard/exposure	
Air pollution	
Ambient air pollution	("ambient air pollution"[tiab] OR "air pollut*"[ti] OR "Air pollution"[Major] "Air pollutants"[Mesh] OR "greenhouse gas*"[ti] OR "Greenhouse gases"[Mesh] OR "PM2.5"[ti] OR NO2[ti] OR N2O[ti] OR "PM10"[ti] OR CO[ti] OR aerosols[ti] OR CO2[ti] OR "water vapour"[ti] OR "water vapor"[ti] OR CH4[ti] OR SO2[ti] OR HFC[ti] OR PFC[ti] OR O3[ti] OR SF6[ti] OR "particulate matter"[ti] OR sulphate*[ti] OR sulfate*[ti] OR nitrate*[ti] OR ammoni*[ti] OR "sodium chloride"[ti] OR "mineral dust"[ti] OR coal[ti] OR combust*[ti] OR diesel[ti] OR petrol[ti] OR smog[ti] OR "Smog"[Mesh] OR "smoke"[Mesh] OR "fuel combust*"[ti] OR "fossil fuel*"[ti] OR "air quality"[ti] OR "vehicle exhaust"[ti] OR "carbon monoxide"[ti] OR ozone[ti] OR "nitrogen dioxide"[ti] OR "sulphur dioxide"[ti] OR "sulfur dioxide"[ti] OR "carbon dioxide"[ti] OR "carbon emissions"[ti] OR "black carbon"[ti] OR lead[ti] OR soot[ti] OR "ambient particulate matter"[ti] OR "particulate pollut*"[ti] OR "Particulate matter"[Mesh] OR "Vehicle emissions"[Mesh] OR "Fossil fuels"[Mesh])
Indoor/household air pollution	("indoor air pollution"[tiab] OR "household air pollution"[tiab] OR "household air quality"[tiab] OR "indoor air quality"[ti] OR "Air pollution, Indoor"[Major] OR "open fire"[ti] OR kerosene[ti] OR "biomass stove"[ti] OR "biomass burning"[ti] OR "wood stove*"[ti] OR firewood[ti] OR "clean cooking fuel"[ti] OR biogas[ti] OR "solar cook*"[ti] OR "electric stove"[ti] OR "natural gas"[ti] OR "liquefied petroleum gas"[ti] OR LPG[ti] OR "alcohol fuel*"[ti] OR "solid fuel*"[ti] OR "solid cooking fuel"[ti] OR "household energy"[ti] OR "household cook*"[ti] OR "household heat*"[ti] OR "indoor heat*"[ti] OR "household light*"[ti] OR "indoor light*"[ti] OR "stove combustion"[ti] OR "household fuel combustion"[ti] OR "Nebulizers and Vaporizers"[Mesh] OR "Household Work/methods"[Mesh] OR "Particulate matter"[Mesh] OR "Coal Ash"[Mesh] OR "Dust"[Mesh] OR "Smoke"[Mesh] OR "Soot"[Mesh] OR "Fossil fuels"[Mesh] OR "Coal"[Mesh] OR "Coke"[Mesh] OR "Natural Gas"[Mesh] OR "Petroleum"[Mesh] OR "Fuel Oils"[Mesh] OR "Gasoline"[Mesh] OR "Kerosene"[Mesh] OR "Biofuels"[Mesh]))
Second hand tobacco smoke	("second hand tobacco smoke"[tiab] OR "secondhand tobacco smoke"[tiab] OR "secondhand smok*"[tiab] OR "passive smok*"[tiab] OR "second hand smoke"[tiab] OR "second-hand smoke"[ti] OR "no smok*"[ti] OR "non smok*"[ti] OR tobacco[ti] OR "tobacco industry"[ti] OR "cigarette smoke"[ti] OR "second hand cigarette smoke"[ti] OR "smoke free"[ti] OR "smoke-free"[ti] OR "public smok*"[ti] OR "smoking regulations"[ti] OR e-cigarettes[ti] OR "Tobacco Smoke Pollution" [Mesh] OR "Smoke-Free Policy*"[Mesh] OR "Smoking Prevention*"[Mesh] OR "E-cigarette Vapor"[Mesh] OR "Tobacco"[Mesh] OR "Tobacco Use"[Mesh] OR "smoking bans"[tiab])
Dampness and mould	("dampness and mould"[tw] OR damp*[tiab] OR mould*[ti] OR mold[tiab] OR moisture[ti] OR "excess moisture"[tiab] OR condensat*[ti] OR "fungal growth"[ti] OR fungus*[ti] OR "microbial growth"[ti] OR "ventilat*"[ti] OR fungi[ti] OR "bacterial

	growth"[ti] OR microbial[ti] OR "leaking pipe*"[ti] OR "leaky pipe*"[ti] OR rot[ti] OR "structural damage"[tiab] OR "microbial pollut*"[ti] OR "filamentous fung*"[ti] OR "building damage"[tiab] OR "fungal spore"[ti] OR "microbial contaminants"[ti] OR alga*[ti] OR protozoa[ti] OR dehumidif*[tiab] OR "water damage"[tiab] OR "moisture damage"[tiab] PR "moisture problem*"[tiab] OR "moisture transport*"[tiab] OR "air condition*"[tiab] OR "Biofouling*"[Mesh] OR "Environmental Restoration and Remediation*"[Mesh] OR "Fungi*"[Mesh] OR "Housing/standards*"[Mesh] OR "Humidity"[Mesh] OR "Sick Building Syndrome"[Mesh] OR "Air conditioning"[Mesh] OR "Ventilation"[Mesh])
WaSH	
Water: unsafe drinking water	("drinking water"[tiab] OR "water contamination"[ti] OR "clean water"[tiab] OR "drinking-water"[tiab] OR "microbial contamina*"[ti] OR microplastic*[ti] OR "water facilities"[tiab] OR "water source"[tiab] OR "access to clean water"[tiab] OR "clean water access*"[tiab] OR "water pollution"[ti] OR WaSH[ti] OR "water sanitation"[ti] OR "ground water contamina*"[tiab] OR "ground-water"[ti] OR "drinking water quality"[ti] OR diarrhoea[ti] OR "water pollutants"[Mesh] OR "Water Purification/methods*"[Mesh] OR "Water purification/standards"[Mesh] OR "Water supply/standards"[Mesh] OR "Diarrhea/prevention and control"[Mesh] OR "Drinking water"[Mesh] OR "Water microbiology/standards"[Mesh] OR "Diarrhea/epidemiology"[Mesh] OR "Dysentery"[Mesh] OR dysentery[ti] OR "Water wells"[Mesh] OR "Helminthiasis"[Mesh] OR "Intestinal Diseases, Parasitic"[Mesh] OR "Ascaris lumbricoides"[Mesh] OR "Ascariasis "[Mesh] OR "Nematode Infections"[Mesh])
Water: unsafe recreational water	("recreational water"[tiab] OR "water site*"[ti] OR "water source"[ti] OR "freshwater contamination"[tiab] OR freshwater[ti] OR "coastal degrad*"[ti] OR "ocean pollut*"[tiab] OR "coastal water"[tiab] OR "water contamina*"[ti] OR runoff*[ti] OR effluent*[ti] OR "water activit*"[ti] OR "water-front*"[ti] OR waterfront[ti] OR "water pollut*"[ti] OR "water quality"[ti] OR ocean*[ti] OR river*[ti] OR lake*[ti] OR "untreated sewage"[tiab] OR "algal bloom"[ti] OR sanitation[ti] OR "faecal contamin*"[ti] OR cyanotoxi*[ti] OR pond*[ti] OR swimmingpool*[ti] OR "public bath*"[ti] OR fountain*[ti] OR "Bathing beaches"[Mesh] OR "Swimming Pools"[Mesh] OR "Water wells"[Mesh] OR "Rivers"[Mesh] OR "Fresh water"[Mesh] OR "Ponds"[Mesh] OR "Lakes"[Mesh] OR "Oceans and Seas"[Mesh] OR "Schistosomiasis"[Mesh] OR schistosomiasis[ti] OR "water pollutants"[Mesh] OR "Water microbiology/standards"[Mesh] OR "Diarrhea/epidemiology"[Mesh] OR "Dysentery"[Mesh] OR "Water supply/standards"[Mesh] OR "Baths"[Mesh] OR "Intestinal diseases, Parasitic"[Mesh] OR "Ascaris lumbricoides"[Mesh] OR "Ascariasis "[Mesh] OR "Nematode Infections"[Mesh] OR "Diarrhea"[Mesh])
Inadequate sanitation	(sanitation[tiab] OR "sanitation service*"[tiab] OR "sanitary facilit*"[tiab] OR latrine*[ti] OR toilet*[ti] OR "open defecat*"[tiab] OR "open-defecation"[tiab] OR sewage[tiab] OR gutter[ti] OR WaSH[ti] OR WASH[ti] OR "hand-washing"[ti] OR "hand washing"[ti] OR wastewater[ti] OR "waste-water"[ti] OR "water treatment"[ti] OR "waste removal"[ti] OR helminth*[ti] OR parasitic disease*[ti] OR ascaris[ti] OR nematode[ti] OR "hookworm infection"[ti] OR trichuriasis[ti] OR dysentery[ti] OR schistosomiasis[ti] OR diarrhoea[ti] OR diarrhoea[ti] OR "Toilet facilities"[Mesh] OR "Sanitation"[Mesh] OR "Hand disinfection"[Mesh] OR "Soaps"[Mesh] OR "Cross infection/prevention and control"[Mesh] OR "Community-acquired

	infections/prevention and control"[Mesh] OR "Feces"[Mesh] OR "Waste management/methods"[Mesh] OR "Helminthiasis"[Mesh] OR "Intestinal diseases, Parasitic"[Mesh] OR "Ascaris lumbricoides"[Mesh] OR "Nematode Infections/prevention and control"[Mesh] OR "Ascariasis/prevention and control"[Mesh] OR "Ascariasis/epidemiology"[Mesh] OR "Ascariasis/transmission"[Mesh] OR "Hookworm Infections"[Mesh] OR "Trichuriasis"[Mesh] OR "Drainage, sanitary"[Mesh] OR "Dysentery"[Mesh] OR "Schistosomiasis"[Mesh] OR "Diarrhea"[Mesh])
Inadequate personal hygiene	(hygien*[tiab] OR "hand-washing"[ti] OR "hand wash*"[ti] OR clean*[ti] OR "hygiene practice*"[tiab] OR "hygiene standard*"[ti] OR "personal hygiene"[tiab] OR "environmental hygiene"[ti] OR "domestic hygiene"[ti] OR "food hygiene"[ti] OR WaSH[ti] OR WASH[ti] OR "face wash*"[ti] OR "menstrual hygiene"[ti] OR "Menstrual hygiene products"[Mesh] OR "Food safety"[Mesh] OR "Clostridium infections/prevention and control"[Mesh] OR clostridium[ti] OR "Hand disinfection/standards"[Mesh] OR "Cross infection/prevention and control"[Mesh] OR "Community-acquired infections/prevention and control"[Mesh] OR "Feces*"[Mesh] OR "Dysentery"[Mesh] OR "Schistosomiasis"[Mesh] OR "Helminthiasis"[Mesh] OR "Intestinal diseases, Parasitic"[Mesh] OR "Ascaris lumbricoides"[Mesh] OR "Ascariasis "[Mesh] OR "Nematode Infections"[Mesh] OR "Hookworm Infections"[Mesh] OR "Trichuriasis" [Mesh] OR "Diarrhea"[Mesh]))
Climate change	
High/low temperature	(heat[ti] OR "heat stress"[tiab] OR "non-optimal temperature"[tiab] OR "global warming"[ti] OR "climate change"[ti] OR temperature[tiab] OR "heat island"[tiab] OR warm*[ti] OR "heat wave"[ti] OR "cold wave"[ti] OR "cold condition*"[ti] OR "cold spell"[ti] OR heatwave[ti] OR coldwave[ti] OR "heat stress"[ti] OR "climate sensitive"[ti] OR "Global warming"[Mesh] OR "Climate change"[Mesh] OR "Climatic Processes"[Mesh] OR "Body Temperature regulation/physiology*"[Mesh] OR "Extreme heat/adverse effects"[Mesh] OR "Ventilation"[Mesh] OR "Heat Stress Disorders"[Mesh] OR "Sweating/physiology"[Mesh] OR "Stress, Physiological"[Mesh] OR "Skin temperature"[Mesh] OR "Hot temperature"[Mesh] OR "Temperature"[Mesh] OR "Cold Temperature"[Mesh] OR "Body Temperature changes"[Mesh] OR "Hyperthermia"[Mesh] OR "Hypothermia"[Mesh] OR "Heat stress disorders/prevention and control"[Mesh])
Other climate risks	("extreme weather events"[tiab] OR flood*[ti] OR storm*[ti] OR cyclone*[ti] OR "sea level rise"[ti] OR "weather pattern*"[ti] OR earthquake*[ti] OR "natural disaster*"[ti] OR "health emergenc*"[ti] OR crisis[ti] OR "Natural Disasters"[Mesh] OR "Climatic Processes"[Mesh] OR "ocean acidification"[ti] OR "ozone depletion"[ti] OR "drought*"[ti] OR "extreme weather"[ti] OR "Ocean acidification"[Mesh] OR "Ozone Depletion"[Mesh] OR "Sea Level Rise"[Mesh] OR "Droughts"[Mesh] OR "Earthquakes"[Mesh] OR "Cyclonic Storms"[Mesh] OR "Floods"[Mesh] OR "Landslides"[Mesh] OR "Tidal Waves"[Mesh] OR "Tornadoes"[Mesh] OR "Disasters"[Mesh] OR "Extreme Weather"[Mesh])
Solid waste	
Hazardous waste	("hazardous waste*"[tiab] OR "healthcare waste*"[ti] OR "medical waste"[ti] OR "bio waste*"[ti] OR waste*[ti] OR "waste disposal"[ti] OR "waste management"[ti] OR landfill*[ti] OR "waste dump*" [ti] OR dump*[ti] OR "waste segregation"[ti] OR "waste collect*"[ti] OR "recyclable collect*"[ti] OR "household hazardous waste"[ti])

	OR "Hazardous Waste"[Mesh] OR "Hazardous Waste Sites"[Mesh] OR "Waste Disposal Facilities"[Mesh] OR "Medical Waste Disposal"[Mesh] OR "Medical Waste"[Mesh] OR "Waste Management")
E-waste	(waste[ti] OR "waste disposal"[ti] OR "waste management"[ti] OR "waste segregation"[ti] OR "waste collect*"[ti] OR "electronic waste"[tiab] OR E-waste[tiab] OR e-waste[tiab] OR recycl*[ti] OR "electronic products"[ti] OR "sustainable waste management"[ti] OR "sustainable management"[ti] OR landfill*[ti] OR "Electronic Waste"[Mesh] OR "Electronics"[Mesh] OR "Recycling"[Mesh] OR "Waste Management"[Mesh] OR "Waste Disposal Facilities"[Mesh])
Household waste	(waste[ti] OR "waste disposal"[ti] OR "waste management"[ti] OR "waste segregation"[ti] OR "waste collect*"[ti] OR "household waste"[tiab] OR "household hazardous waste"[tiab] OR "solid waste"[ti] OR "recycl*"[ti] OR "green waste"[ti] OR HHW[ti] OR "biodegradable waste"[ti] OR "food waste"[ti] OR garbage[ti] OR glass[ti] OR tin[ti] OR cardboard*[ti] OR plastic*[ti] OR wrapper*[ti] OR "packaging films"[ti] OR trash[ti] OR litter[ti] OR rubbish[ti] OR "Garbage"[Mesh] OR "Refuse Disposal"[Mesh] OR "Waste Disposal Facilities"[Mesh] OR "Waste Management"[Mesh])
Microplastics	(Microplastic[tiab] OR Microplastics[tiab] OR "drinking water"[ti] OR "water contamination"[ti] OR "water treatment"[ti] OR "biofilm degradation"[ti] OR "wastewater treatment"[ti] OR freshwater[ti] OR "water source"[ti] OR MPs[ti] OR "marine litter"[ti] OR MP[ti] OR "plastic pollut*"[ti] OR "water purification"[ti] OR plastic*[ti] OR "Drinking Water/chemistry"[Mesh] OR "Drinking water/standards"[Mesh] OR "Microplastics"[Mesh] OR "Water Pollutants"[Mesh] OR "Water Purification"[Mesh] OR "Plastics"[Mesh] OR "Biofilms"[Mesh] OR "Polyethylene"[Mesh])
Chemicals	
Hazardous chemicals	(CBRN[ti] OR "chemical hazard*"[tiab] OR "hazardous drug*"[tiab] OR "hazardous chemical*"[tiab] OR "chemical inhalation"[ti] OR "chemical toxic*"[ti] OR "toxic load*"[ti] OR chemical[ti] OR "environmental chemicals"[ti] OR toxicity[ti] OR cadmium[ti] OR Cd[ti] OR lead[ti] OR Pb[ti] OR benzene[ti] OR toluene[ti] OR formaldehyde[ti] OR tetrachloroethylene[ti] OR TCE[ti] OR "bis(2-ethylhexyl) phthalate"[ti] OR DEHP[ti] OR "bisphenol A"[ti] OR BPA[ti] OR noxious[ti] OR "persistent organic pollutants"[ti] OR POPs[ti] OR "volatile organic compounds"[ti] OR VOCs[ti] OR "noxious gas"[ti] OR arsenic[ti] OR asbestos[ti] OR dioxin*[tiab] OR mercury[tiab] OR Hg[tiab] OR "highly hazardous pesticides"[tiab] OR HHPs[tiab] OR organophosphates[ti] OR "halogenated flame retardants"[ti] OR "endocrine disrupt*"[ti] OR organochlorine[ti] OR "endocrine-disrupting chemicals"[ti] OR "polycyclic aromatic hydrocarbons"[ti] OR EDC[ti] OR EDCs[ti] OR solvent*[ti] OR "Hazardous substances"[Mesh] OR "Inhalation Exposure"[Mesh] OR "Air Pollutants/toxicity"[Mesh] OR "Volatile Organic Compounds"[Mesh] OR "Pharmaceutical Preparations"[Mesh] OR "Chemical Hazard Release"[Mesh] OR "Disasters"[Mesh] OR "Radioactive Hazard Release"[Mesh] OR "Organophosphates"[Mesh] OR "Endocrine Disruptors"[Mesh])
Chemical incidents	(CBRN[ti] OR "chemical incident*"[tiab] OR "chemical threat*"[tiab] OR "chemical substance*"[ti] OR "chemical contaminat*"[ti] OR "poison centre*"[ti] OR "poison center*"[ti] OR "toxicovigilance"[ti] OR "industrial chemical*"[ti] OR chemical*[ti] OR "organophosphate*"[ti] OR poison*[ti] OR "Chemical Hazard Release"[Mesh] OR

	"Hazardous Substances"[Mesh] OR "Chemical Terrorism"[Mesh] OR "Disasters"[Mesh] OR "Emergencies"[Mesh] OR "Radioactive Hazard Release"[Mesh] OR "Organophosphates"[Mesh] OR "Endocrine Disruptors"[Mesh])
Radiation	
UV-natural and artificial	(sun[ti] OR "sun exposure"[tiab] OR sunscreen[tiab] OR "UV radiation"[ti] OR "ultraviolet radiation"[ti] OR "UV exposure"[ti] OR "ultraviolet exposure"[ti] OR "keratinocyte cancer"[ti] OR "sun protection"[tiab] OR "skin cancer"[ti] OR "skin tumor"[ti] OR "UV ray"[ti] OR "ultraviolet rays"[ti] OR "basal cell carcinoma"[ti] OR BCC[ti] OR "cutaneous squamous cell carcinoma"[ti] OR "sun protection"[ti] OR "Carcinoma, basal cell"[Mesh] OR "Carcinoma, squamous cell"[Mesh] OR "Skin Neoplasms"[Mesh] OR "Sunlight/adverse effects"[Mesh] OR "Sunscreening Agents"[Mesh] OR "Ultraviolet Rays"[Mesh])
Electromagnetic fields (EMF)	("electromagnetic field"[tiab] OR EMF[tiab] OR radiofrequency[ti] OR "RF-EMF"[ti] OR "cell phone"[ti] OR 5G[ti] OR "mobile phone"[ti] OR "radio wave"[ti] OR "Cell Phone"[Mesh] OR "Electromagnetic Fields"[Mesh] OR "Radiation Monitoring"[Mesh] OR "Radio Waves"[Mesh])
Radiation exposure in healthcare	("occupational radiation"[ti] OR "radiation exposure"[tiab] OR "ionising radiation"[ti] OR "radiation exposure"[tiab] OR radiologist*[ti] OR "radiation protection"[ti] OR radiotherapist*[ti] OR "radiation hazards"[ti] OR "Neoplasms, radiation induced"[Mesh] OR "Occupational exposure"[Mesh] OR "Radiation dosage"[Mesh] OR "Radiation Monitoring"[Mesh] OR "Radiation protection"[Mesh] OR "Radiation Exposure"[Mesh] OR "Radiation, Ionizing"[Mesh])
Radon	(radon[tiab] OR "radon contamination"[tiab] OR radioactiv*[tiab] OR "radon decay"[tiab] OR RDPs[tiab] OR "Air pollutants, Radioactive"[Mesh] OR "Radiation monitoring"[Mesh] OR "Radon"[Mesh] OR "Water pollutants, Radioactive"[Mesh])
Radioactivity in food and drinking water	(radioactiv*[ti] OR "radioactive contamination"[tiab] OR food[ti] OR "drinking water"[ti] OR water[ti] OR radionuclides[ti] OR tritium[ti] OR radon[ti] OR radium[ti] OR "uranium"[ti] OR Ra226[ti] OR "Radiation monitoring"[Mesh] OR "Water pollutants, Radioactive"[Mesh] OR "Drinking Water/adverse effects"[Mesh] OR "Environmental Monitoring"[Mesh] OR "Radiation Protection"[Mesh] OR "Water Supply"[Mesh] OR "Soil pollutants, Radioactive"[Mesh] OR "Radiochemistry"[Mesh] OR "Radium"[Mesh] OR "Radon"[Mesh] OR "Uranium"[Mesh])
Radiological emergencies	("Radiation emergenc*[tiab] OR "nuclear events"[tiab] OR "radiation release"[tiab] OR "radiation accident"[tiab] OR radiological[ti] OR "radiological emergenc*[ti] OR "radiological accident"[tiab] OR "radiation disaster"[tiab] OR "nuclear emergency"[tiab] OR "nuclear response"[ti] OR radiological[ti] OR CBRN[ti] OR atomic[ti] OR "Radioactive Hazard Release"[Mesh] OR "Emergencies"[Mesh] OR "Disasters"[Mesh] OR "Disaster Planning"[Mesh] OR "Decontamination"[Mesh] OR "Radiation monitoring"[Mesh] OR "Hazardous Substances"[Mesh] OR "Radiation Injuries"[Mesh] OR "radiation injur*[ti] OR "radiation protection"[ti] OR "Bioterrorism"[Mesh] OR "Biohazard Release"[Mesh] OR "Chemical Hazard Release"[Mesh] OR "Chemical Terrorism"[Mesh] OR "Radiation Protection"[Mesh])
Nature and health	
Biodiversity loss	("biodiversity loss"[tiab] OR biodiversity[tiab] OR flora[ti] OR fauna[ti] OR conservation[ti] OR diversity[ti] OR habitat*[ti] OR "sustainable development"[ti] OR sustainabl*[ti] OR "green space"[ti] OR tree*[ti] OR plant*[ti] OR community[ti] OR urbanization[ti] OR forest*[ti] OR environment*[ti] OR "one health"[tiab] OR

	"human-animal"[tiab] OR eco-system*[ti] OR "ecosystem services"[tiab] OR "planetary boundaries"[ti] OR "urban disease ecology"[ti] OR "Ecosystem"[Mesh] OR "Biodiversity"[Mesh])
Ecosystem degradation	("land use"[ti] OR "land usage"[ti] OR desertification[ti] OR drought*[ti] OR soil*[ti] OR "natural resource*"[tiab] OR "land degradation"[tiab] OR ecosystem*[ti] OR agricultur*[ti] OR "land restoration"[ti] OR "sustainable land use"[ti] OR "one health"[tiab] OR "habitat loss"[ti] OR "emerging disease*"[ti] OR "emerging infectious disease*"[tiab] OR "zoonotic disease*"[tiab] OR pesticide*[ti] OR "ecosystem health"[tiab] OR "ecosystem services"[tiab] OR "urban disease ecology"[ti] OR zoonosis[ti] OR "ecosystem degradation"[tiab] OR "Ecosystem"[Mesh] OR "Environmental Health"[Mesh] OR "Zoonoses"[Mesh])
Loss of natural recreational areas	("green space*"[tiab] OR nature[tiab] OR "urban green space"[tiab] OR UGS[tiab] OR recreation*[ti] OR park*[tiab] OR "public park*"[ti] OR garden*[tiab] OR "roof garden*"[ti] OR " green roof*"[ti] OR greenway*[tiab] OR trail*[ti] OR "blue space*"[tiab] OR "green environment*"[ti] OR "urban plan*"[tiab] OR "landscape design*"[tiab] OR "urban development*"[tiab] OR "nature reserve*"[tiab] OR "nature park*"[tiab] OR "natural park*"[tiab] OR nature[tiab] OR "green infrastructure"[tiab] OR "park manage*"[ti] OR "parks and recreation*"[tiab] OR "national park*"[ti] OR reserv*[ti] OR "Parks, Recreational"[Mesh] OR "Environment Design"[Mesh] OR "Recreation"[Mesh] OR "Nature"[Mesh])
Altered vector breeding and distribution	("vector breeding"[tiab] OR "vector control*"[tiab] OR "vector-control"[tiab] OR zooprophyllaxis[ti] OR "vector community"[tiab] OR "vector distribution"[ti] OR "vector-borne disease"[tiab] OR VBDs[ti] OR "vector breeding"[tiab] OR "disease vector*"[tiab] OR insecticide[tiab] OR mosquito*[ti] OR malaria[ti] OR zika[ti] OR dengue[ti] OR "kala azar"[ti] OR chikungunya[ti] OR aedes[ti] OR leishmaniasis[ti] OR "lymphatic filariasis"[ti] OR "Japanese encephalitis"[ti] OR "Mosquito Control"[Mesh] OR "Insect Control"[Mesh] OR "Mosquito Vectors"[Mesh] OR "Insecticides"[Mesh] OR "Mosquito Nets"[Mesh] OR "mosquito net*"[ti] OR "insecticide*"[ti] OR "Insect Vectors"[Mesh])
Safe environments and mobility	
Unsafe, unhealthy and non-sustainable transport and mobility	(infrastructure[ti] OR "public transport*"[ti] OR "active transport*"[ti] OR "physical activit*"[ti] OR cycling[ti] OR walk*[ti] OR "cycle track*"[ti] OR "walking path*"[ti] OR "walking track*"[ti] OR "cycling track*"[ti] OR jogging[ti] OR "active recreation*"[ti] OR "urban design*"[ti] OR transport*[ti] OR "road traffic accident*"[ti] OR "unsafe road*"[ti] OR pedestrian*[ti] OR cyclist*[ti] OR motorist*[ti] OR "road safety"[ti] OR "green space*"[ti] OR "road mortality"[ti] OR "road injur*"[ti] OR "drunk driving"[ti] OR "drunk driver*"[ti] OR "drink driving"[ti] OR speeding[ti] OR seatbelt*[ti] OR "child restraint"[ti] OR helmet*[ti] OR "active school transport"[ti] OR "road rage"[ti] OR "Accidents, Traffic"[Mesh] OR "Automobile Driving"[Mesh] OR "Driving Under the Influence"[Mesh] OR "Head Protective Devices"[Mesh] OR "Bicycling"[Mesh] OR "Exercise"[Mesh] OR "Transportation"[Mesh] OR "Walking"[Mesh] OR "Environment Design"[Mesh] OR "Built Environment"[Mesh] OR "City Planning"[Mesh] OR "Parks, Recreational"[Mesh] OR "Road Rage"[Mesh] OR "Motorcycles"[Mesh])
Unsafe environments increasing the risk for unintentional	(accident*[tiab] OR injur*[tiab] OR fall*[ti] OR drowning*[ti] OR burn*[ti] OR safety[ti] OR "near drowning"[ti] OR "near-drowning"[ti] OR "non-fatal injur*"[ti] OR "burn victim*"[ti] OR "fire alarm"[ti] OR "fire detection"[ti] OR fire*[ti] OR flammable*[ti] OR "water safety"[ti] OR "boating accident*"[ti] OR "swimming

injuries (including injuries from drowning, burns, falls)	safety"[ti] OR swim*[ti] OR "coast guard"[ti] OR "safety gear*"[ti] OR "safety equipment*"[ti] OR "playground*"[ti] OR "Accidental Falls"[Mesh] OR "Wounds and Injuries"[Mesh] OR "Drowning"[Mesh] OR "Burns"[Mesh] OR "Safety"[Mesh] OR "Recreation"[Mesh] OR "Accident Prevention"[Mesh])
Safe and healthy food	
Unsafe, unhealthy and unsustainale food	("unhealthy food"[tiab] OR "healthy food"[tiab] OR nutrition*[ti] OR malnutrition[ti] OR "food insecurity*"[ti] OR stunting[ti] OR nourishment[ti] OR "unsustainable food"[ti] OR diet*[ti] OR nutrient*[ti] OR "nutritional supplement"[ti] OR "nutrient deficiency*"[ti] OR "mineral deficiency"[ti] OR "nutrition* system*"[ti] OR micronutrient*[ti] OR macronutrient*[ti] OR "food environment policies"[ti] OR "food safety"[ti] OR "food hygiene"[ti] OR agriculture[ti] OR "safe food"[tiab] OR "food production"[ti] OR "crop diversification"[ti] OR "crop failure"[ti] OR "food desert*"[tiab] OR "Diet, Healthy"[Mesh] OR "Dietary Supplements"[Mesh] OR "Food Supply"[Mesh] OR "Food"[Mesh] OR "Growth Disorders"[Mesh] OR "Nutrients"[Mesh] OR "Nutrition Therapy"[Mesh] OR "Wasting Syndrome/diet therapy"[Mesh])
Environmental noise	
Excessive environmental noise	("occupational noise*"[tiab] OR "noise exposure*"[tiab] OR "environmental noise*"[tiab] OR "excess noise*"[tiab] OR noise[ti] OR "noise pollution"[tiab] OR "hearing loss"[ti] OR "noise-induced hearing loss"[tiab] OR NIHL[ti] OR "workplace noise*"[tiab] OR "transport noise*"[ti] OR "traffic noise*"[ti] OR traffic[ti] OR "loud music"[ti] OR speaker*[ti] OR concert*[ti] OR firearm*[ti] OR explosive*[ti] OR "air traffic"[ti] OR "air-traffic"[ti] OR "construction noise*"[ti] OR tinnitus[ti] OR "hearing loss prevention"[ti] OR "hearing disorder*"[ti] OR "hearing protection"[ti] OR "hearing surveillance"[ti] OR "noise level*"[tiab] OR "machine noise*"[ti] OR "nighttime noise*"[ti] OR "night time noise*"[ti] OR "aircraft noise*"[ti] OR "road noise*"[ti] OR "rail* noise*"[ti] OR "noise annoyance*"[ti] OR "drone noise*"[ti] OR "noise source"[ti] OR annoyance[ti] OR "road traffic"[ti] OR "sleep disturbance*"[ti] OR "Hearing Loss, Noise-Induced"[Mesh] OR "Noise, Occupational"[Mesh] OR "Occupational Exposure"[Mesh] OR "Ear Protective devices"[Mesh] OR "Occupational Diseases"[Mesh] OR "Noise/adverse effects"[Mesh] OR "Noise, Transportation"[Mesh] OR "Sleep Wake Disorders"[Mesh] OR "Aircraft"[Mesh] OR "Noise"[Mesh] OR "Sound"[Mesh] OR "Acoustics"[Mesh] OR "Railroads"[Mesh] OR "Automobiles"[Mesh] OR "Sleep Deprivation"[Mesh])
Priority settings for action	
Unsafe cities and urban settlements	("urban health"[tiab] OR "safe cit*"[ti] OR urban*[ti] OR infrastructur*[ti] OR "green space*"[ti] OR city[ti] OR cities[ti] OR urban[ti] OR housing[ti] OR house*[ti] OR "land use"[ti] OR "land-use"[ti] OR "built environment"[ti] OR "transport planning"[ti] OR "city design*"[ti] OR road*[ti] OR traffic[ti] OR "population density"[ti] OR mobility[ti] OR "household density"[ti] OR "natural space"[ti] OR "green cit*"[ti] OR "clean cit*"[ti] OR "urban density"[ti] OR footpath*[ti] OR "street lighting*"[ti] OR "Urban Health"[Mesh] OR "Nature"[Mesh] OR "Environment Design"[Mesh] OR "Cities"[Mesh] OR "Exposome"[Mesh] OR "City Planning"[Mesh] OR "Transportation"[Mesh] OR "Automobiles"[Mesh] OR "Urban Renewal"[Mesh])
Unsafe and inadequate housing	(hous*[tiab] OR "construction material*"[ti] OR home[tiab] OR "mobile home*"[ti] OR "infrastructur*"[ti] OR slum*[ti] OR ventilation[ti] OR "air conditioning"[ti] OR "living condition*"[ti] OR drainage[ti] OR access*[ti] OR electricity[ti] OR lighting[ti])

	OR heating[ti] OR "water supply"[ti] OR toilet*[ti] OR sanitation[ti] OR "water connection*"[ti] OR maintenance[ti] OR utilities[ti] OR "home hazard*"[ti] OR dwelling[ti] OR construction[ti] OR "Architecture"[Mesh] OR "Construction Materials"[Mesh] OR "Housing"[Mesh] OR "Accidents, Home"[Mesh] OR "Interior Design and Furnishing*"[Mesh])
Unsafe and unhealthy workplaces	("Occupational health"[tiab] OR "occupational safety and health"[tiab] OR work[ti] OR OSH[tiab] OR occupation*[ti] OR workplace[ti] OR "work place"[ti] OR worker*[ti] OR "work performance*"[ti] OR productivity[ti] OR labour[ti] OR labor[ti] OR office*[ti] OR bureau[ti] OR "work culture"[ti] OR "work environment"[ti] OR "workplace hazard*"[tiab] OR "occupational risk*"[tiab] OR "labour rights"[ti] OR "occupational injur*"[tiab] OR "workplace discrimination"[ti] OR "human resource*"[ti] OR HR[ti] OR "workplace harassment"[ti] OR "gender imbalance*"[ti] OR "social protection"[ti] OR employ*[ti] OR "working condition*"[tiab] OR job[ti] OR jobs[ti] OR enterprise*[ti] OR business*[ti] OR organisation*[ti] OR organization*[ti] OR slavery[ti] OR "human trafficking"[ti] OR "precarious employment"[tiab] OR "gig economy"[tiab] OR "gig work*"[ti] OR "job security"[ti] OR "employment benefit*"[ti] OR unemployment[ti] OR staff[ti] OR "occupational exposure*"[tiab] OR "occupational hazard"[tiab] OR "job loss"[ti] OR boss*[ti] OR supervisor*[ti] OR trainee*[ti] OR training[ti] OR "job satisfaction"[ti] OR "Occupational Diseases"[Mesh] OR "Workplace"[Mesh] OR "Occupational Exposure"[Mesh] OR "Occupational Health"[Mesh] OR "Rehabilitation, Vocational"[Mesh] OR "Return to Work"[Mesh] OR "Employment"[Mesh] OR "Burnout, Professional"[Mesh] OR "Personnel Management"[Mesh] OR "Workforce"[Mesh] OR "Organizational Culture"[Mesh] OR "Organizational Policy"[Mesh] OR "Work Schedule Tolerance"[Mesh] OR "Workplace Violence"[Mesh] OR "Occupational Groups"[Mesh])
Unsafe health care facilities	("healthcare facilit*"[tiab] OR healthcare[ti] OR "health care facilit*"[tiab] OR health care[ti] OR doctor*[ti] OR nurse*[ti] OR "healthcare personnel"[ti] OR "healthcare staff"[ti] OR "health care personnel"[ti] OR "health care staff"[ti] OR clinic*[ti] OR hospital*[ti] OR "healthcare centre"[ti] OR "health care centre"[ti] OR vaccinator*[ti] OR "medical worker*"[ti] OR "medical staff"[ti] OR pharmacy[ti] OR "health service"[ti] OR HCFs[ti] OR "personal protective equipment*"[ti] OR PPE[ti] OR "medical waste"[ti] OR "biohazard"[ti] OR "bodily fluid*"[ti] OR "disaster planning"[ti] OR "disaster management"[ti] OR "disaster response"[ti] OR "healthcare worker*"[ti] OR "health care worker*"[ti] OR patient*[ti] OR sterilization[ti] OR sterile[ti] OR "health emergenc*"[ti] OR "Health Facilities"[Mesh] OR "Physicians"[Mesh] OR "Hospitals"[Mesh] OR "Cross Infection"[Mesh] OR "Disinfection"[Mesh] OR "Primary Health care"[Mesh] OR "Comprehensive Health Care"[Mesh])